

Data File : VL032617.D
Acq On : 11 Oct 2018 23:26
Operator : SY/AP
Sample : J5370-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
Q2-SVI-100518DL2

Quant Time: Oct 12 01:57:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1392043	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3064061	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3188967	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2323692	9.66	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

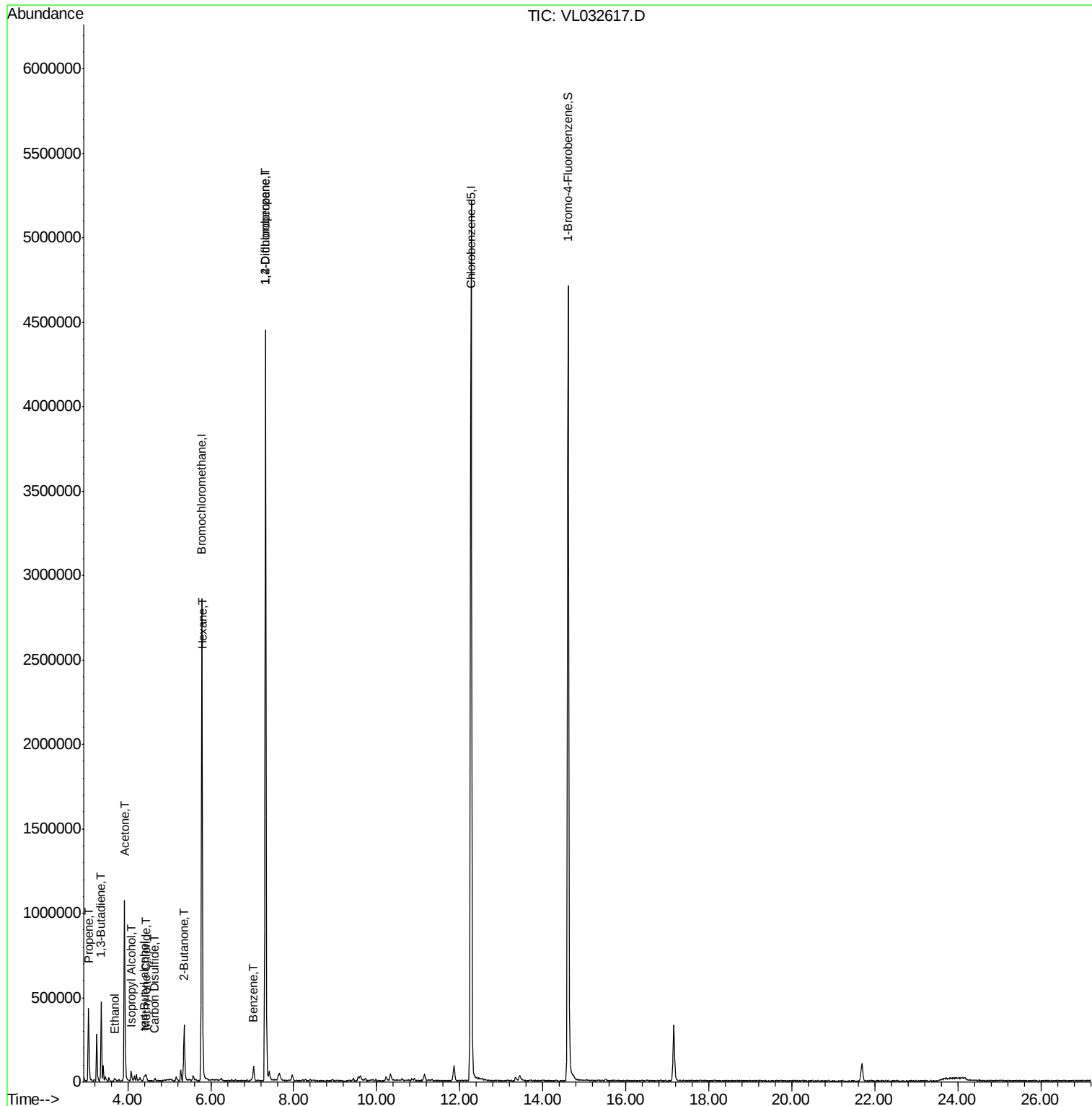
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.05	41	167099	3.327	ppbv	92
13) Ethanol	3.68	45	11134	0.737	ppbv	88
15) Acetone	3.92	43	1073457	8.785	ppbv	97
16) 1,3-Butadiene	3.36	39	114379	2.308	ppbv #	8
17) tert-Butyl alcohol	4.40	59	6435	0.419	ppbv #	100
19) Isopropyl Alcohol	4.07	45	5661	0.067	ppbv #	93
20) Methylene Chloride	4.43	84	8400	0.142	ppbv	90
26) Hexane	5.80	57	6222	0.046	ppbv #	1
27) Carbon Disulfide	4.65	76	10698	0.074	ppbv #	1
34) 2-Butanone	5.35	43	375395	2.057	ppbv	98
36) Benzene	7.03	78	63644	0.257	ppbv	96
39) 1,2-Dichloropropane	7.32	63	819299	7.342	ppbv #	26

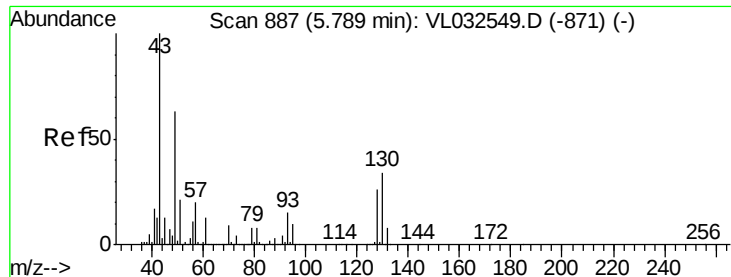
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL032617.D
Acq On : 11 Oct 2018 23:26
Operator : SY/AP
Sample : J5370-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
Q2-SVI-100518DL2

Quant Time: Oct 12 01:57:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032617.D

Acq: 11 Oct 2018 23:26

Instrument :

MSVOA_L

ClientSampleId :

Q2-SVI-100518DL2

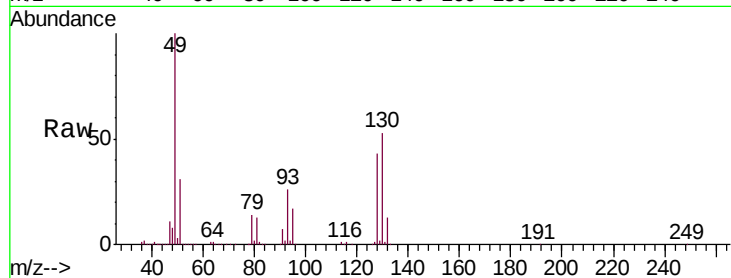
Tgt Ion: 49 Resp: 1392043

Ion Ratio Lower Upper

49 100

128 43.7 20.7 62.1

130 55.1 26.6 79.7

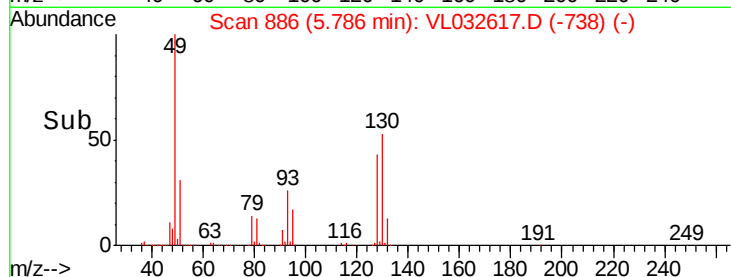


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



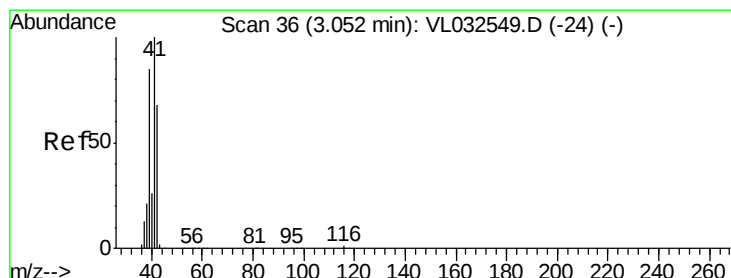
Abundance

Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



#9

Propene

Concen: 3.327 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032617.D

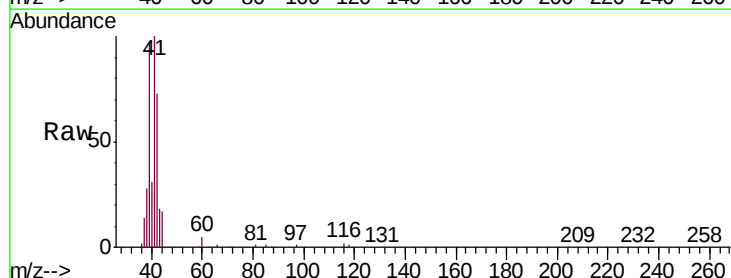
Acq: 11 Oct 2018 23:26

Tgt Ion: 41 Resp: 167099

Ion Ratio Lower Upper

41 100

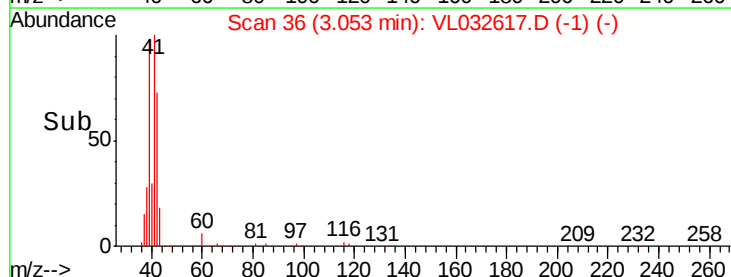
42 64.4 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Time-->

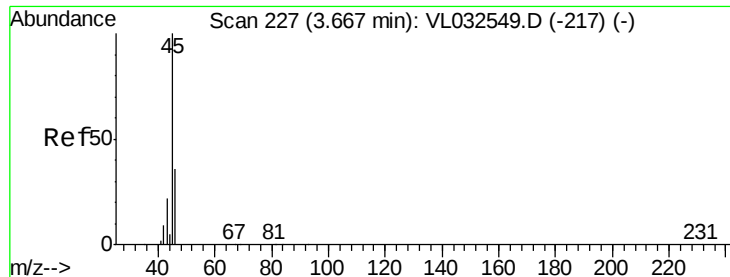


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Time-->



#13

Ethanol

Concen: 0.737 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032617.D

Acq: 11 Oct 2018 23:26

Instrument :

MSVOA_L

ClientSampleId :

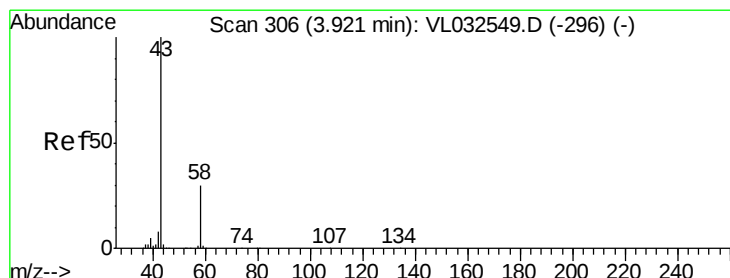
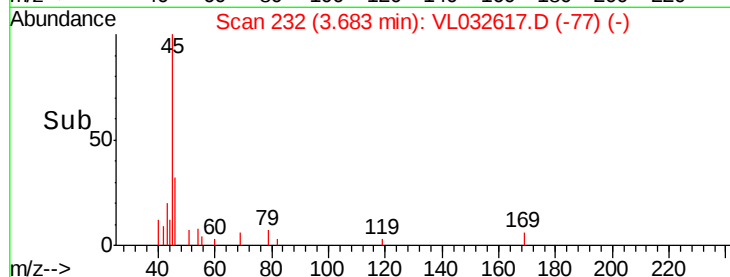
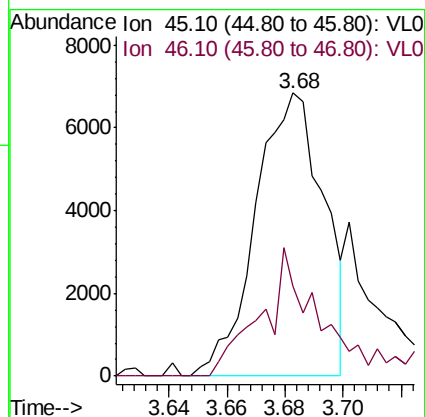
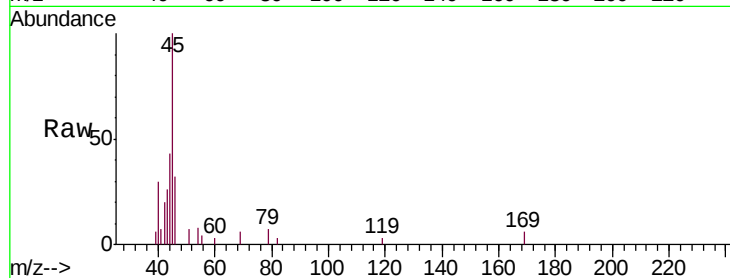
Q2-SVI-100518DL2

Tgt Ion: 45 Resp: 11134

Ion Ratio Lower Upper

45 100

46 42.3 14.2 56.8



#15

Acetone

Concen: 8.785 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032617.D

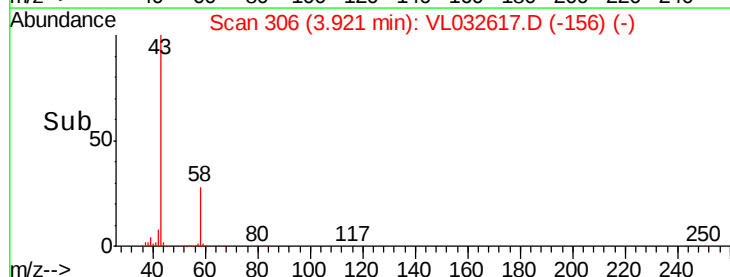
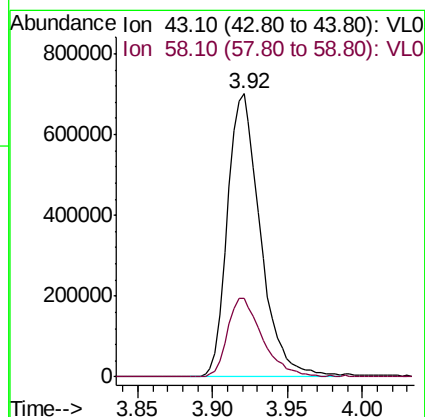
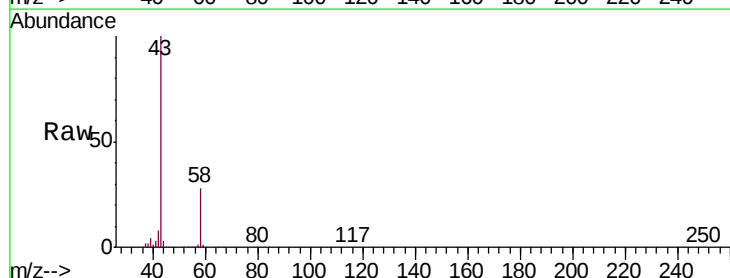
Acq: 11 Oct 2018 23:26

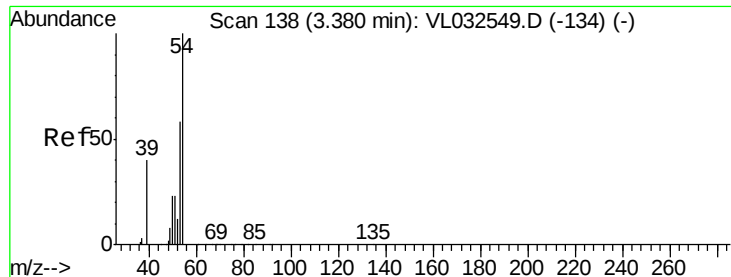
Tgt Ion: 43 Resp: 1073457

Ion Ratio Lower Upper

43 100

58 30.0 22.6 33.8





#16

1,3-Butadiene

Concen: 2.308 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.04 min

Lab File: VL032617.D

Acq: 11 Oct 2018 23:26

Instrument :

MSVOA_L

ClientSampleId :

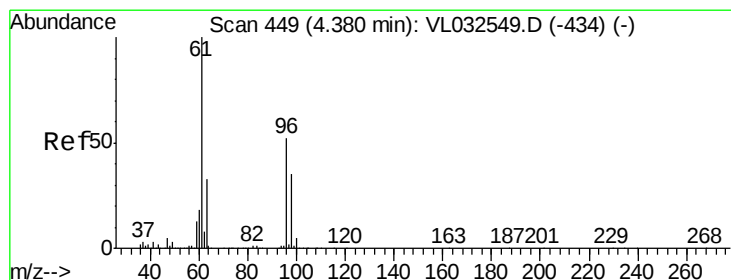
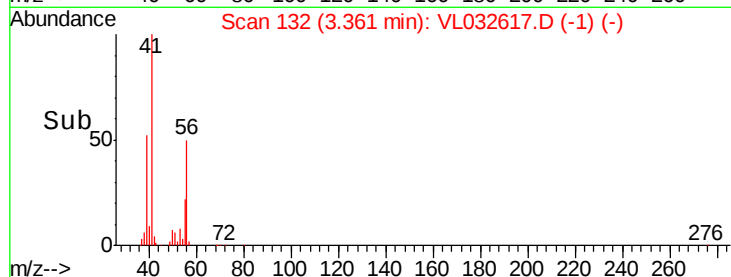
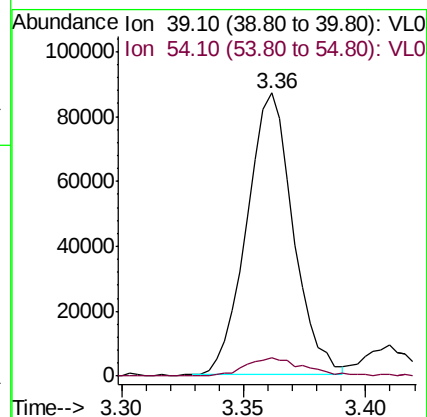
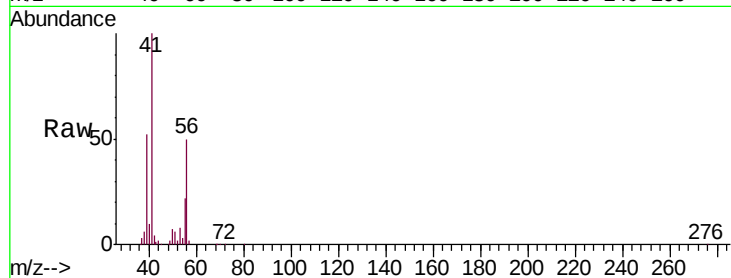
Q2-SVI-100518DL2

Tgt Ion: 39 Resp: 114379

Ion Ratio Lower Upper

39 100

54 8.8 80.8 121.2#



#17

tert-Butyl alcohol

Concen: 0.419 ppbv

RT: 4.40 min Scan# 455

Delta R.T. -0.01 min

Lab File: VL032617.D

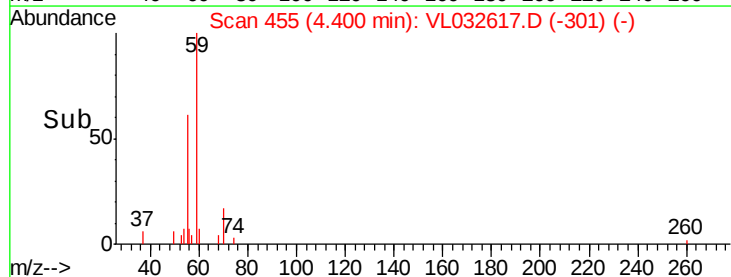
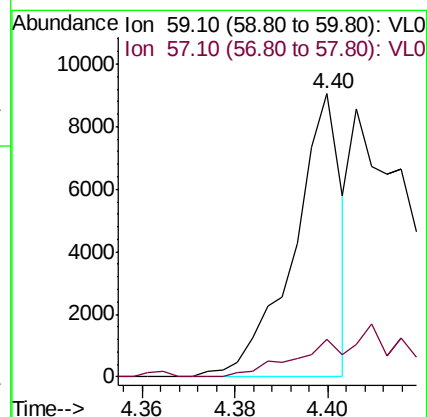
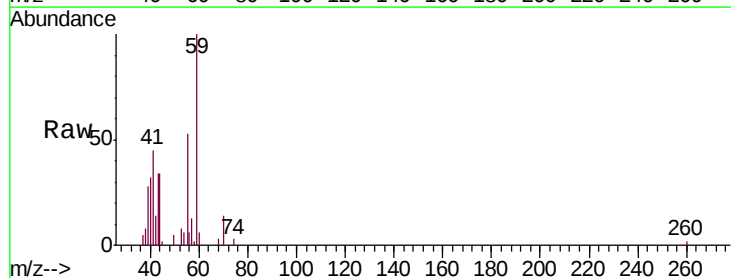
Acq: 11 Oct 2018 23:26

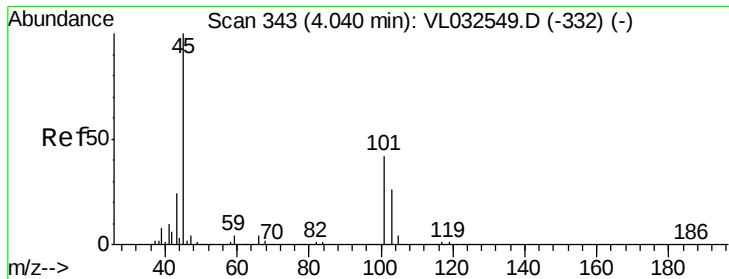
Tgt Ion: 59 Resp: 6435

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0

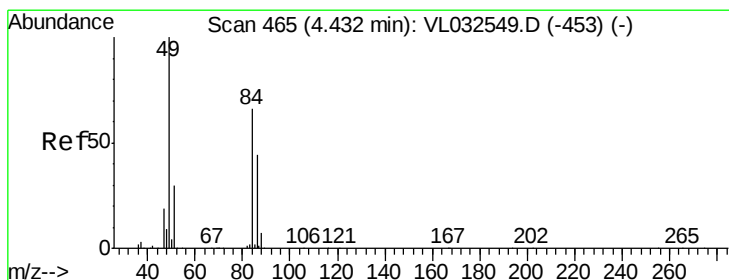
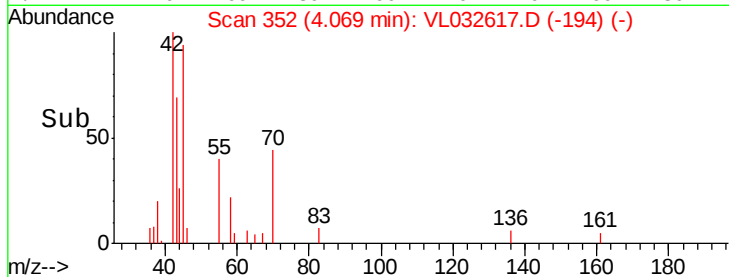
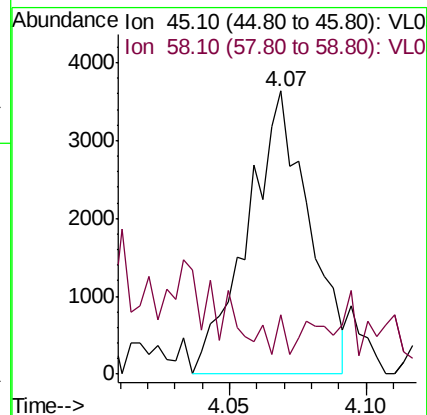
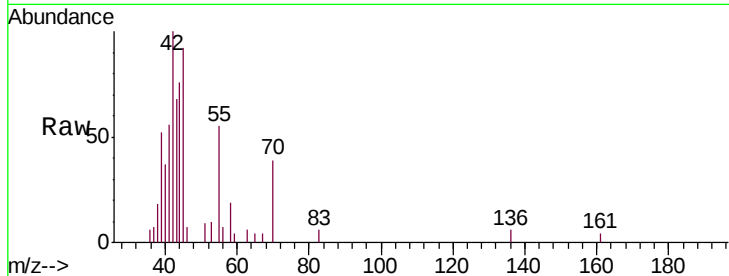




#19
Isopropyl Alcohol
Concen: 0.067 ppbv
RT: 4.07 min Scan# 352
Delta R.T. 0.01 min
Lab File: VL032617.D
Acq: 11 Oct 2018 23:26

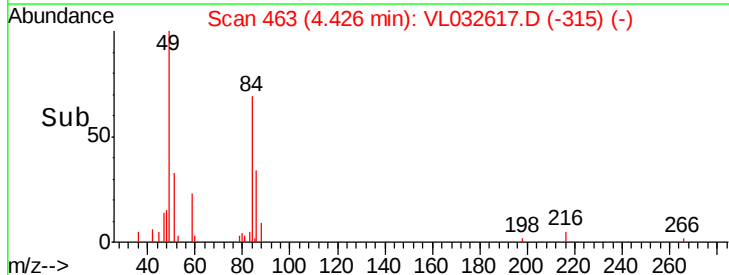
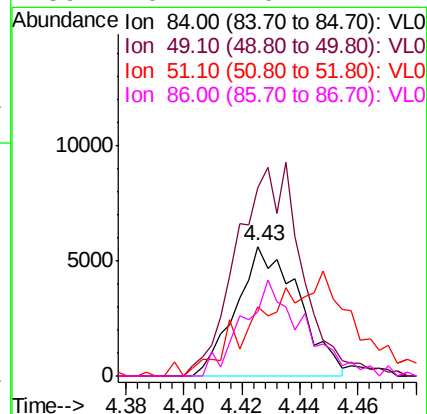
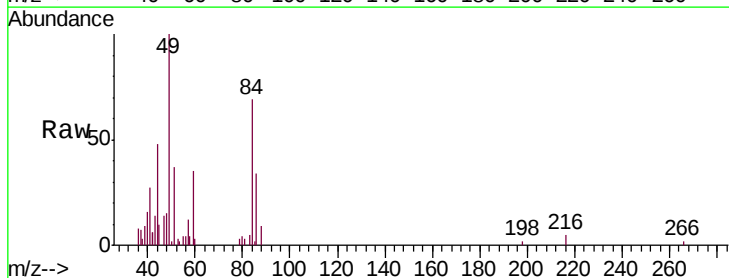
Instrument :
MSVOA_L
ClientSampleId :
Q2-SVI-100518DL2

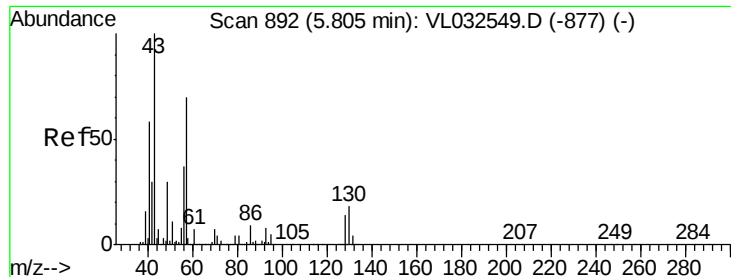
Tgt Ion: 45 Resp: 5661
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#



#20
Methylene Chloride
Concen: 0.142 ppbv
RT: 4.43 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL032617.D
Acq: 11 Oct 2018 23:26

Tgt Ion: 84 Resp: 8400
Ion Ratio Lower Upper
84 100
49 136.7 119.1 178.7
51 47.2 35.2 52.8
86 49.7 49.4 74.2

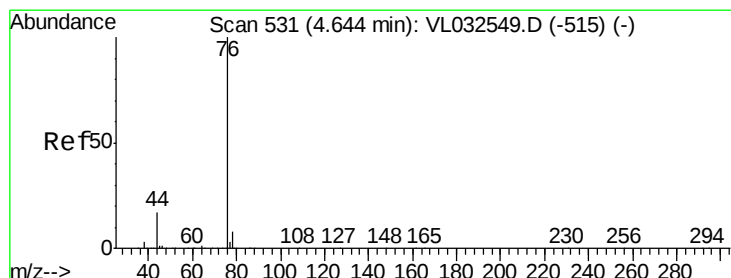
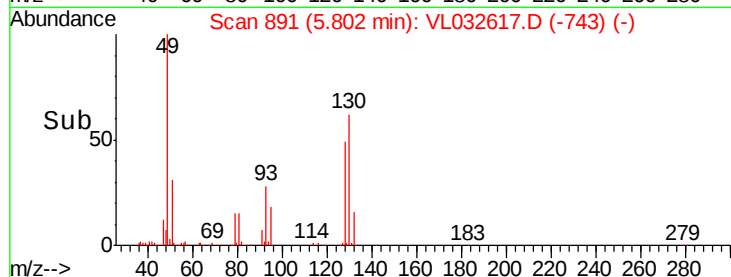
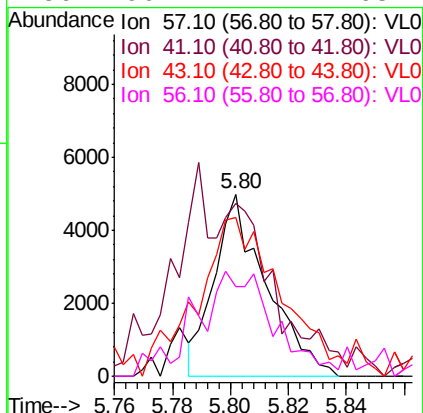
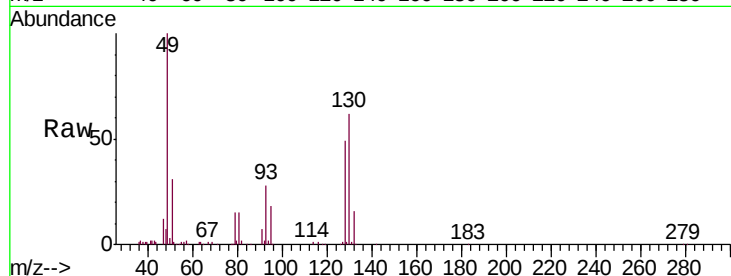




#26
Hexane
Concen: 0.046 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032617.D
Acq: 11 Oct 2018 23:26

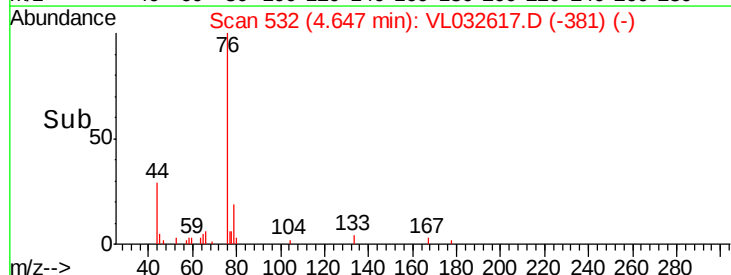
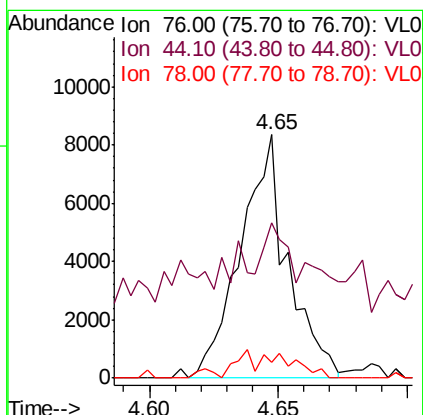
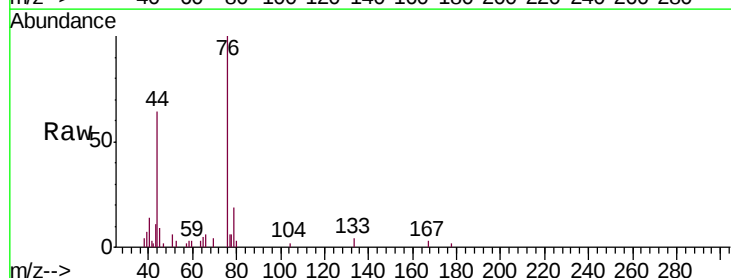
Instrument :
MSVOA_L
ClientSampleId :
Q2-SVI-100518DL2

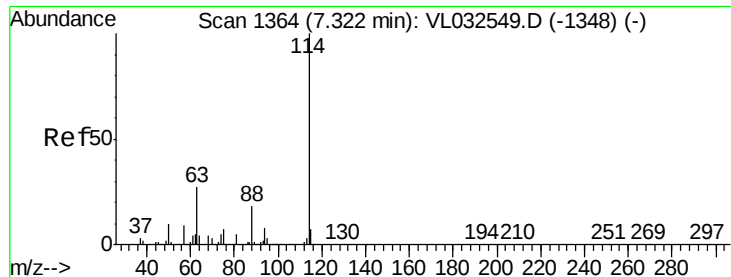
Tgt Ion: 57 Resp: 6222
Ion Ratio Lower Upper
57 100
41 0.0 69.0 103.4#
43 0.0 172.1 258.1#
56 90.2 42.2 63.2#



#27
Carbon Disulfide
Concen: 0.074 ppbv
RT: 4.65 min Scan# 532
Delta R.T. -0.01 min
Lab File: VL032617.D
Acq: 11 Oct 2018 23:26

Tgt Ion: 76 Resp: 10698
Ion Ratio Lower Upper
76 100
44 82.7 14.0 21.0#
78 12.9 7.5 11.3#

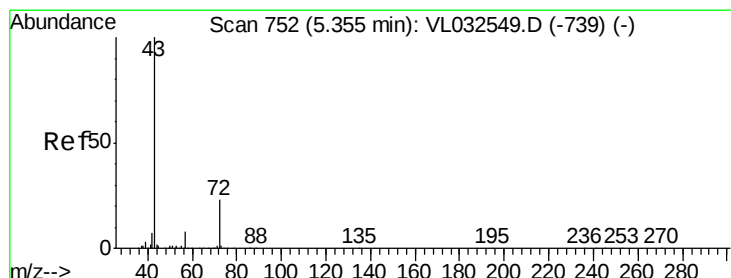
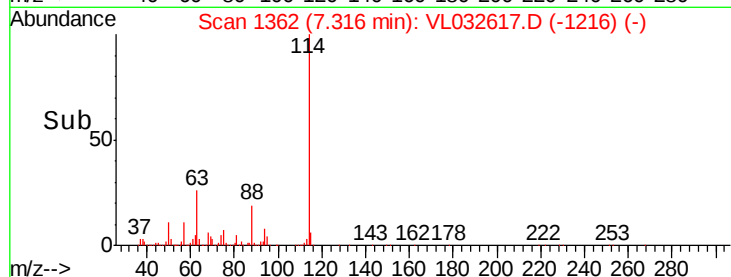
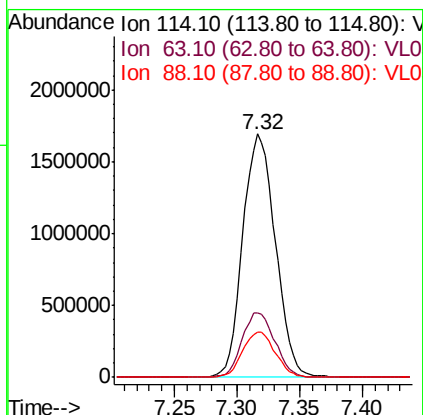
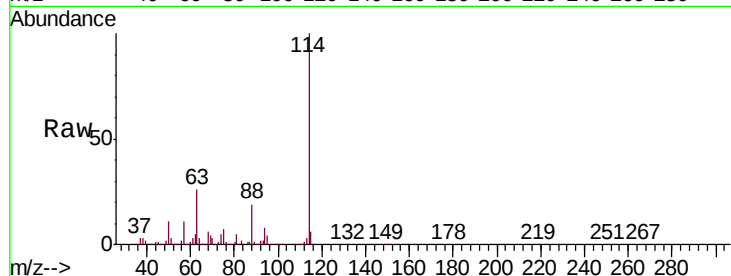




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL032617.D
 Acq: 11 Oct 2018 23:26

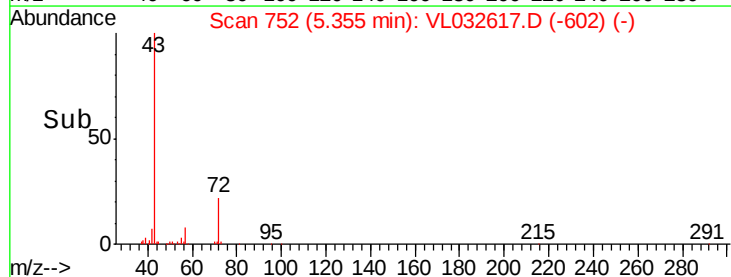
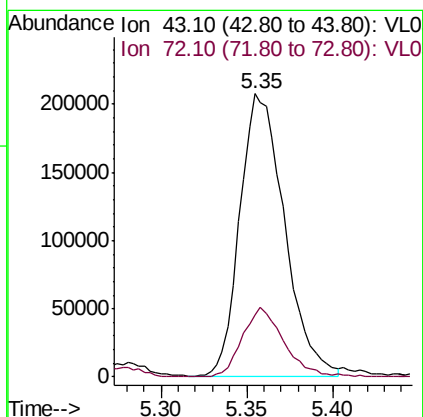
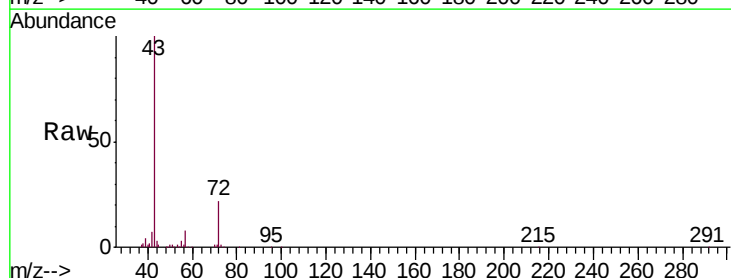
Instrument :
 MSVOA_L
 ClientSampleId :
 Q2-SVI-100518DL2

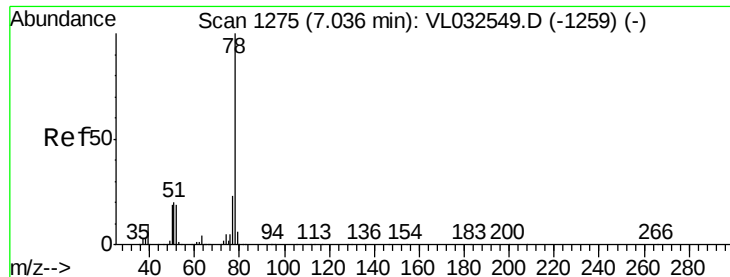
Tgt Ion: 114 Resp: 3064061
 Ion Ratio Lower Upper
 114 100
 63 26.8 22.2 33.4
 88 18.7 15.0 22.4



#34
 2-Butanone
 Concen: 2.057 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032617.D
 Acq: 11 Oct 2018 23:26

Tgt Ion: 43 Resp: 375395
 Ion Ratio Lower Upper
 43 100
 72 22.9 17.8 26.6





#36

Benzene

Concen: 0.257 ppbv

RT: 7.03 min Scan# 1273

Delta R.T. -0.03 min

Lab File: VL032617.D

Acq: 11 Oct 2018 23:26

Instrument :

MSVOA_L

ClientSampleId :

Q2-SVI-100518DL2

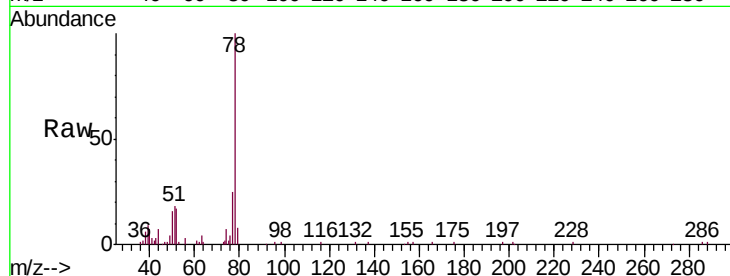
Tgt Ion: 78 Resp: 63644

Ion Ratio Lower Upper

78 100

77 24.5 18.4 27.6

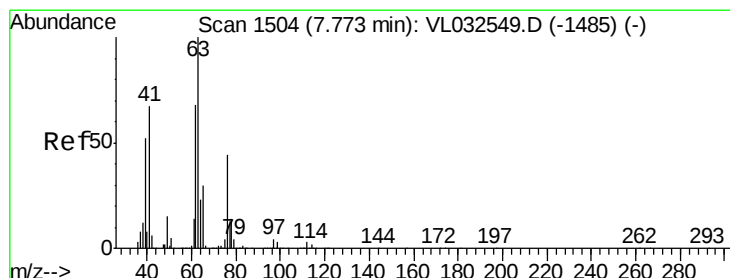
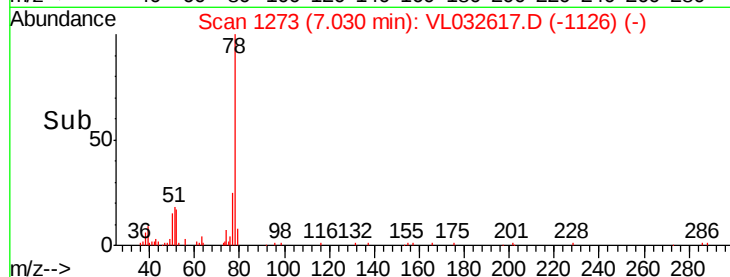
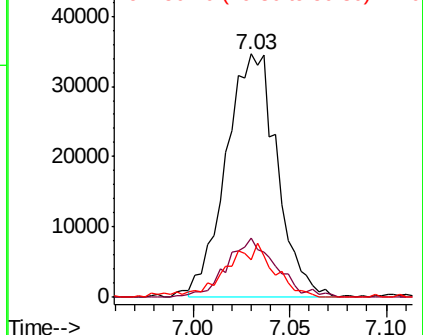
50 15.6 14.4 21.6



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.342 ppbv

RT: 7.32 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL032617.D

Acq: 11 Oct 2018 23:26

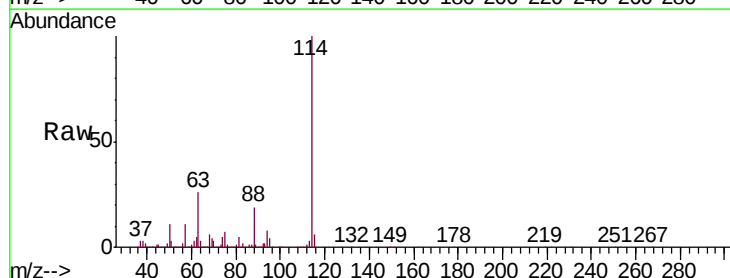
Tgt Ion: 63 Resp: 819299

Ion Ratio Lower Upper

63 100

41 0.3 55.4 83.0#

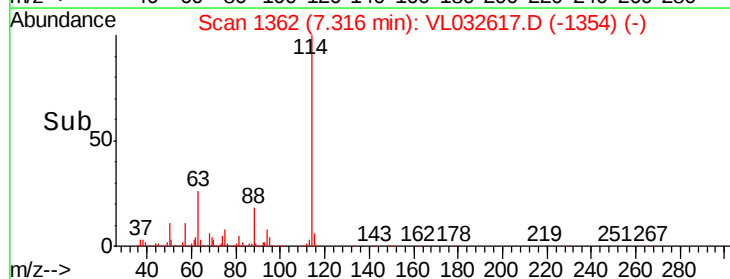
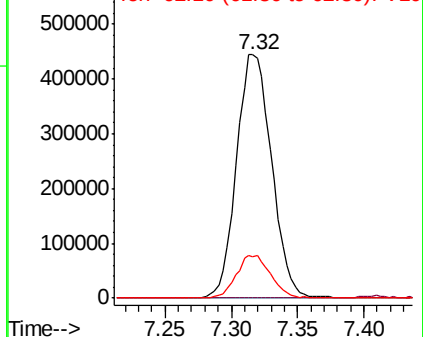
62 17.1 55.4 83.0#

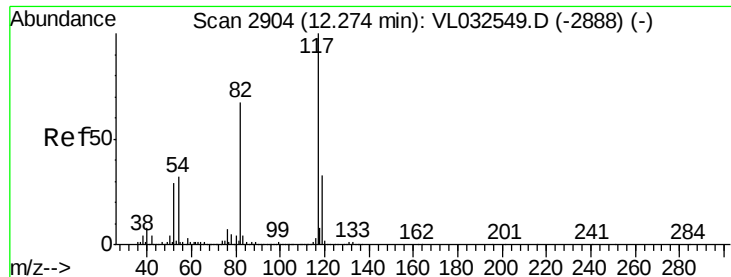


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

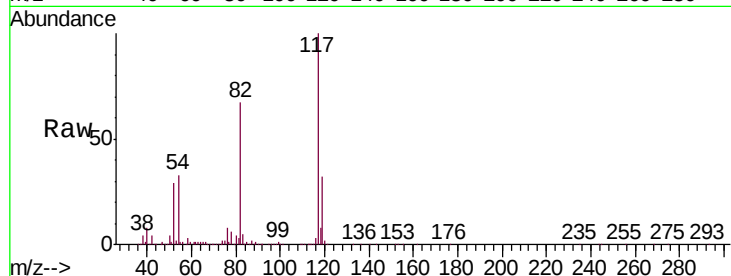




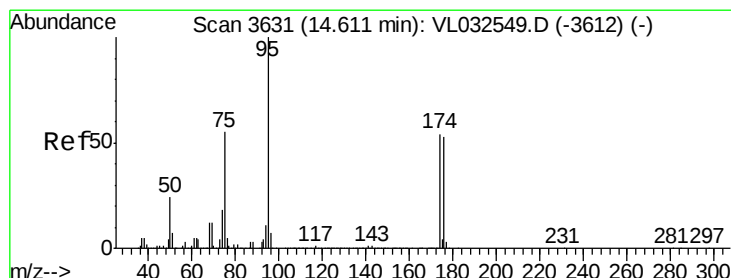
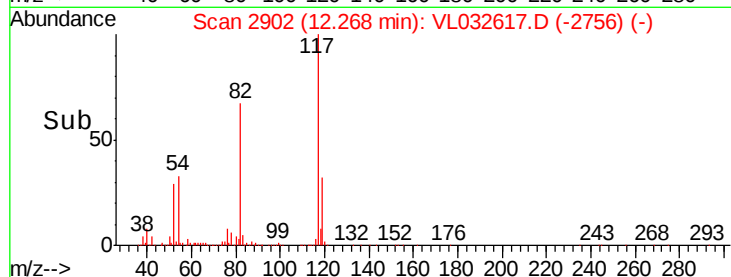
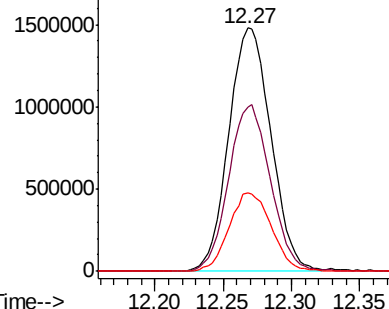
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032617.D
Acq: 11 Oct 2018 23:26

Instrument :
MSVOA_L
ClientSampleId :
Q2-SVI-100518DL2

Tgt Ion: 117 Resp: 3188967
Ion Ratio Lower Upper
117 100
82 68.4 53.0 79.6
119 32.7 45.9 68.9#

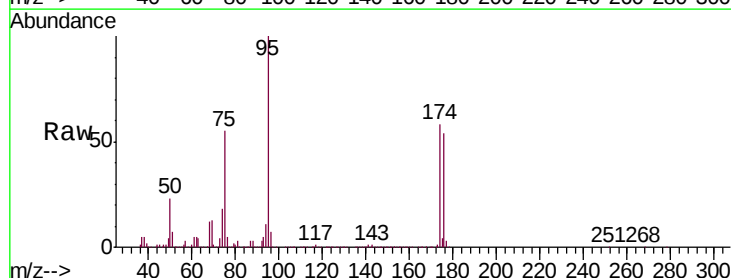


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.663 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032617.D
Acq: 11 Oct 2018 23:26

Tgt Ion: 95 Resp: 2323692
Ion Ratio Lower Upper
95 100
174 58.6 46.3 69.5
175 4.2 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

